<110> VIEILLARD, Vincent
      DEBRE, Patrice

<120> Polypeptide Derived from gp41, a Vaccine Composition
      Comprising Said Polypeptide, and Uses for Treating an
      Infection by an HIV virus in an Individual

<130> CHEP:019US

<140> Unknown
<141> 2006-08-04

<150> PCT/EP2005/001395
<151> 2005-02-07

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Ser Ser His His Ser His Ser Tyr Ile Gly Leu Pro Tyr Ala Asp His
      50   55   60

Asn Tyr Gly Ala Arg Pro Pro Pro Thr Pro Pro Ala Ser Pro Pro Pro
 65   70   75   80

Ser Val Leu Ile Ser Lys Asn Glu Val Gly Ile Phe Thr Thr Pro Asn
                  85   90   95

Phe Asp Glu Thr Ser Ser Ala Thr Thr Ile Ser Thr Ser Glu Asp Gly
              100   105   110

Ser Tyr Gly Thr Asp Val Thr Arg Cys Ile Cys Gly Phe Thr His Asp
          115   120   125

Asp Gly Tyr Met Ile Cys Cys Asp Lys Cys Ser Val Trp Gln His Ile
      130   135   140

Asp Cys Met Gly Ile Asp Arg Gln His Ile Pro Asp Thr Tyr Leu Cys
145   150   155   160

Glu Arg Cys Gln Pro Arg Asn Leu Asp Lys Glu Arg Ala Val Leu Leu
                  165   170   175

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Gln Arg Arg Lys Arg Glu Asn Met Ser Asp Gly Asp Thr Ser Ala Thr
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Glu Ser Gly Asp Glu Val Pro Val Glu Leu Tyr Thr Ala Phe Gln His
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Thr Pro Thr Ser Ile Thr Leu Thr Ala Ser Arg Val Ser Lys Val Asn
    210             215             220

Asp Lys Arg Arg Lys Lys Ser Gly Glu Lys Glu Gln His Ile Ser Lys
225             230             235             240

Cys Lys Lys Ala Phe Arg Glu Gly Ser Arg Lys Ser Ser Arg Val Lys
            245             250             255

Gly Ser Ala Pro Glu Ile Asp Pro Ser Ser Asp Gly Ser Asn Phe Gly
            260             265             270

Trp Glu Thr Lys Ile Lys Ala Trp Met Asp Arg Tyr Glu Glu Ala Asn
        275             280             285

Asn Asn Gln Tyr Ser Glu Gly Val Gln Arg Glu Ala Gln Arg Ile Ala
    290             295             300

Leu Arg Leu Gly Asn Gly Asn Asp Lys Lys Glu Met Asn Lys Ser Asp
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Leu Asn Thr Asn Asn Leu Leu Phe Lys Pro Pro Val Glu Ser His Ile
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Gln Lys Asn Lys Lys Ile Leu Lys Ser Ala Lys Asp Leu Pro Pro Asp
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Ala Leu Ile Ile Glu Tyr Arg Gly Lys Phe Met Leu Arg Glu Gln Phe
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Glu Ala Asn Gly Tyr Phe Phe Lys Arg Pro Tyr Pro Phe Val Leu Phe
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Tyr Ser Lys Phe His Gly Leu Glu Met Cys Val Asp Ala Arg Thr Phe
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Gly Asn Glu Ala Arg Phe Ile Arg Arg Ser Cys Thr Pro Asn Ala Glu
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Val Arg His Glu Ile Gln Asp Gly Thr Ile His Leu Tyr Ile Tyr Ser
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Ile His Ser Ile Pro Lys Gly Thr Glu Ile Thr Ile Ala Phe Asp Phe
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Asp Tyr Gly Asn Cys Lys Tyr Lys Val Asp Cys Ala Cys Leu Lys Glu
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Ile Asn Ser Gly Tyr Glu Thr Arg Arg Lys Lys Gly Lys Lys Asp Glu
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Asp Ile Ser Lys Glu Lys Asp Thr Gln Asn Gln Asn Ile Thr Leu Asp
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2

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Cys Glu Gly Ala Thr Asn Lys Met Lys Ser Pro Glu Thr Lys Gln Arg
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Phe Ile Asp Asp Ile Glu Glu Lys Thr Pro Ile Ser Asn Glu Val Glu
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Met Glu Ser Glu Glu Gln Ile Ala Glu Arg Lys Arg Lys Met Thr Arg
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Glu Glu Arg Lys Met Glu Ala Ile Leu Gln Ala Phe Ala Arg Leu Glu
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Lys Arg Glu Lys Arg Arg Glu Gln Ala Leu Glu Arg Ile Ser Thr Ala
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Lys Thr Glu Val Lys Thr Glu Cys Lys Asp Thr Gln Ile Val Ser Asp
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Thr Pro Ala Lys Val Asn Arg Thr Lys Gln Arg Lys Ser Phe Ser Arg
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Ser Arg Thr His Ile Gly Gln Gln Arg Arg Arg His Arg Thr Val Ser
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Met Cys Ser Asp Ile Gln Pro Ser Ser Pro Asp Ile Glu Val Thr Ser
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Gln Gln Asn Asp Ile Glu Asn Thr Val Leu Thr Ile Glu Pro Glu Thr
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Asn Lys Cys Pro Thr Lys Tyr Pro Lys Thr Lys Lys His Leu Val Asn
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Glu Trp Leu Ser Glu Lys Asn Glu Lys Thr Gly Lys Pro Ser Asp Gly
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Thr Gln Leu Asn Ser Leu Pro Gly Leu Thr Tyr Ser Pro His Val Tyr
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Ser Thr Pro Lys His Tyr Ile Arg Phe Thr Ser Pro Phe Leu Ser Glu
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Lys Arg Arg Arg Lys Glu Pro Thr Glu Asn Ile Ser Gly Ser Cys Lys
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Lys Arg Trp Leu Lys Gln Ala Leu Glu Glu Glu Asn Ser Ala Ile Leu
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His Arg Phe Asn Ser Pro Cys Gln Glu Arg Ser Arg Ser Pro Ala Val
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3

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Pro Asp Leu Thr Thr Pro Leu Lys Lys Arg Arg Phe Tyr Gln Leu Leu
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            885             890             895

Thr Pro Thr His Thr Asp Ile Thr Pro Met Asp Pro Ser Phe Ala Thr
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Pro Pro Arg Ile Lys Ser Asp Asp Glu Thr Cys Arg Asn Gly Tyr Lys
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Pro Ile Tyr Ser Pro Val Thr Pro Val Thr Pro Gly Thr Pro Gly Asn
    930             935             940

Thr Met His Phe Glu Asn Ile Ser Ser Pro Glu Ser Ser Pro Glu Ile
945             950             955             960

Lys Arg Arg Thr Tyr Ser Gln Glu Gly Tyr Asp Arg Ser Ser Thr Met
            965             970             975

Leu Thr Leu Gly Pro Phe Arg Asn Ser Asn Leu Thr Glu Leu Gly Leu
        980             985             990

Gln Glu Ile Lys Thr Ile Gly Tyr Thr Ser Pro Arg Ser Arg Thr Glu
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Val Asn Arg Gln Cys Pro Gly Glu Lys Glu Pro Val Ser Asp Leu Gln
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Leu Gly Leu Asp Ala Val Glu Pro Thr Ala Leu His Lys Thr Leu Glu
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Thr Pro Ala His Asp Arg Ala Glu Pro Asn Ser Gln Leu Asp Ser Thr
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His Ser Gly Arg Gly Thr Met Tyr Ser Ser Trp Val Lys Ser Pro Asp
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Arg Thr Gly Val Asn Phe Ser Val Asn Ser Asn Leu Arg Asp Leu Thr
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Pro Ser His Gln Leu Glu Val Gly Gly Gly Phe Arg Ile Ser Glu Ser
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Lys Cys Leu Met Gln Asp Asp Thr Arg Gly Met Phe Met Glu Thr Thr
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Val Phe Cys Thr Ser Glu Asp Gly Leu Val Ser Gly Phe Gly Arg Thr
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Val Asn Asp Asn Leu Ile Asp Gly Asn Cys Thr Pro Gln Asn Pro Pro
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Gln Thr Leu Thr Val Arg Cys Gln Tyr Pro Pro Thr Gly Ser Leu Tyr
          35   40   45

Glu Lys Lys Gly Trp Cys Lys Glu Ala Ser Ala Leu Val Cys Ile Arg
      50   55   60

Leu Val Thr Ser Ser Lys Pro Arg Thr Met Ala Trp Thr Ser Arg Phe
 65   70   75   80

Thr Ile Trp Asp Asp Pro Asp Ala Gly Phe Phe Thr Val Thr Met Thr
                  85   90   95

Asp Leu Arg Glu Glu Asp Ser Gly His Tyr Trp Cys Arg Ile Tyr Arg
              100   105   110

Pro Ser Asp Asn Ser Val Ser Lys Ser Val Arg Phe Tyr Leu Val Val
          115   120   125

Ser Pro Ala Ser Ala Ser Thr Gln Thr Pro Trp Thr Pro Arg Asp Leu
      130   135   140

Val Ser Ser Gln Thr Gln Thr Gln Ser Cys Val Pro Pro Thr Ala Gly
145   150   155   160

Ala Arg Gln Ala Pro Glu Ser Pro Ser Thr Ile Pro Val Pro Ser Gln
              165   170   175

Pro Gln Asn Ser Thr Leu Arg Pro Gly Pro Ala Ala Pro Ile Ala Leu
              180   185   190

Val Pro Val Phe Cys Gly Leu Leu Val Ala Lys Ser Leu Val Leu Ser
          195   200   205

Ala Leu Leu Val Trp Trp Gly Asp Ile Trp Trp Lys Thr Val Met Glu
      210   215   220

Leu Arg Ser Leu Asp Thr Gln Lys Ala Thr Cys His Leu Gln Gln Val
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Thr Asp Leu Pro Trp Thr Ser Val Ser Ser Pro Val Glu Arg Glu Ile
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